

# **ABSTRACT**

The present invention provides a method for computer controlled fuel injection into a vehicle engine under conditions where the vehicle is starting from cold or being restarted after a short period of being shut off. The method  
5 utilizes the value of conductance measured at an air/fuel sensor heater and t least one other engine parameter to determine the correct amount of fuel to be injected into the engine to accomplish efficient combustion. The computer controller adjusts the amount of fuel to be delivered from the fuel injector into the engine based on the value of conductance.